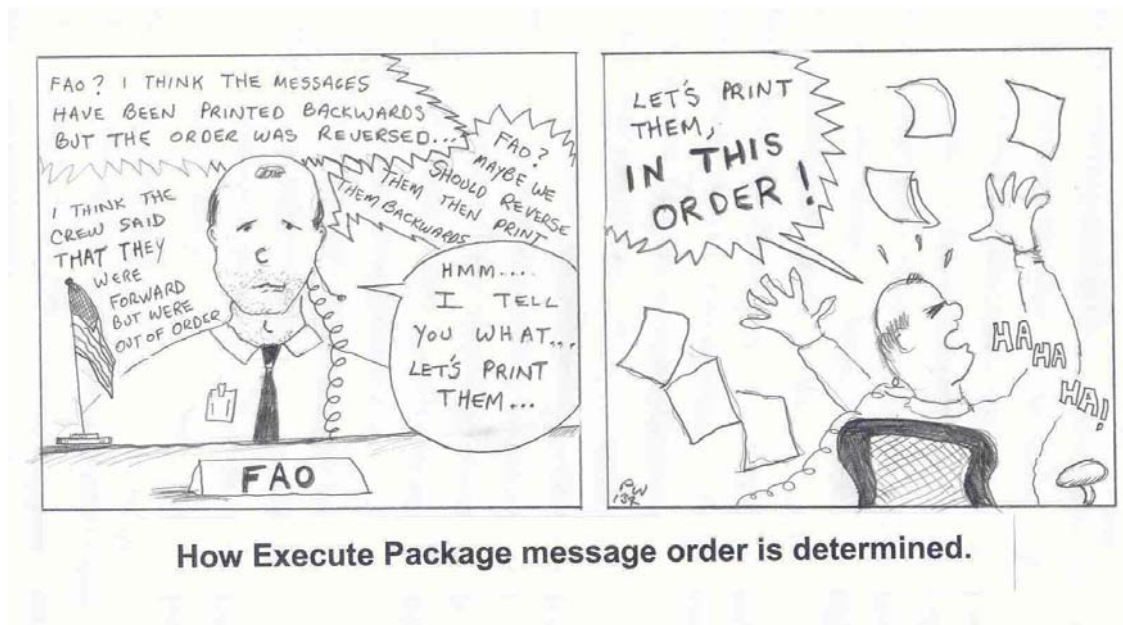




STS-134/ULF6

FD 05 Execute Package

MSG	Page(s)	Title
037A	1 - 16	FD05 Flight Plan Revision
038	17	FD05 Mission Summary
039	18 - 21	FD05 Transfer Message
040	22	STORRM Daily Act with DRU3(1) Power Down
041	23	FD04 MMT Summary
042	24 - 25	ULF 6 Comm Guidelines (Rev D)



Approved by FAO:

T. Clancy

Approved by OpsPlan:

J. Kitchen

Last Updated: May 20 2011 1:00 AM GMT

JEDI (Joint Execute package Development and Integration), v3.0

L 2

MSG 037A (27-0626) - FD05 FLIGHT PLAN REVISION

Page 1 of 16

MSG INDEX

<u>MSG NO.</u>	<u>TITLE</u>
037	FD05 Flight Plan Revision
038	FD05 Mission Summary
039	FD05 Transfer Message
040	STORRM Daily Act with DRU3(1) Power Down
041	FD05 MMT Summary
042	ULF 6 Comm Guidelines (Rev D)

1. Post-Sleep Cryo Config

For today's post-sleep cryo config, O2 tanks 1, 3, & 4, and H2 tanks 1 & 4 will be active.

R1 O2,H2 MANF VLV TK1 (two) - OP (tb-OP)
O2 TK3 HTRS A,B (two) - AUTO

A11 CRYO TK4 HTRS O2 A,B (two) - AUTO

A15 CRYO TK5 HTRS O2 A,B (two) - OFF

2. Pre-Sleep Cryo Config

√MCC for deltas prior to configuring for pre-sleep.

For tonight's pre-sleep cryo config, manifold 1 will be closed with O2 and H2 tanks 1 & 5 active.

A15 CRYO TK5 HTRS O2,H2 A,B (four) - AUTO

A11 CRYO TK4 HTRS O2,H2 A,B (four) - OFF

R1 O2 TK3 HTRS A,B (two) - OFF
O2,H2 MANF VLV TK1 (two) - CL (tb-CL)

3. Focused Inspection Procedures

Box, the PDRS team is currently working on a focused inspection procedure and should have a preliminary version and DOUG targets uplinked for review after your mid-day meal. We have not scheduled a dedicated conference, but MCC will be available during your DOUG review in the afternoon to answer any questions that you have.

MSG 037A (27-0626) - FD05 FLIGHT PLAN REVISION

Page 2 of 16

4. Mark/Drew: During rndz, the temperatures on the STORRM PDU Relay Board were increasing at a higher rate than expected, prompting the request to shutdown STORRM early (except for the PGSC). In order to stay below limits during STORRM Ops for Data Retrieval the next few days, the STORRM customer requests manually commanding the PDU to turn off DRU 1 or DRU 3. Which DRU to turn off will be designated in the lederhosen each day.

Today, instead of performing the STORRM DAILY ACT cue card during your Post Sleep activity, we would like you to Activate STORRM and power off DRU3 per MSG 40.

5. Crew Choice Downlink Opportunities Morning of FD05

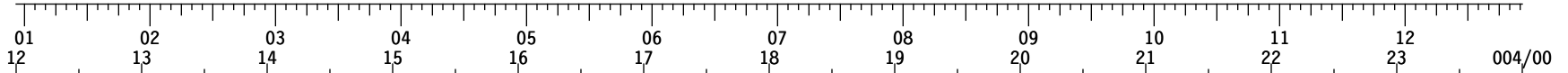
TDRS	AOS	LOS	Delta (min)
E-TDE	3/14:16	3/14:29	13
W-TDW	3/15:03	3/15:36	33
E-TDE	3/15:46	3/16:01	15

6. REPLACE PAGES 2-14 AND 2-16, AND 3-44 THROUGH 3-53.

REPLANNED

GMT 05/20/11 (140)

MET Day 003



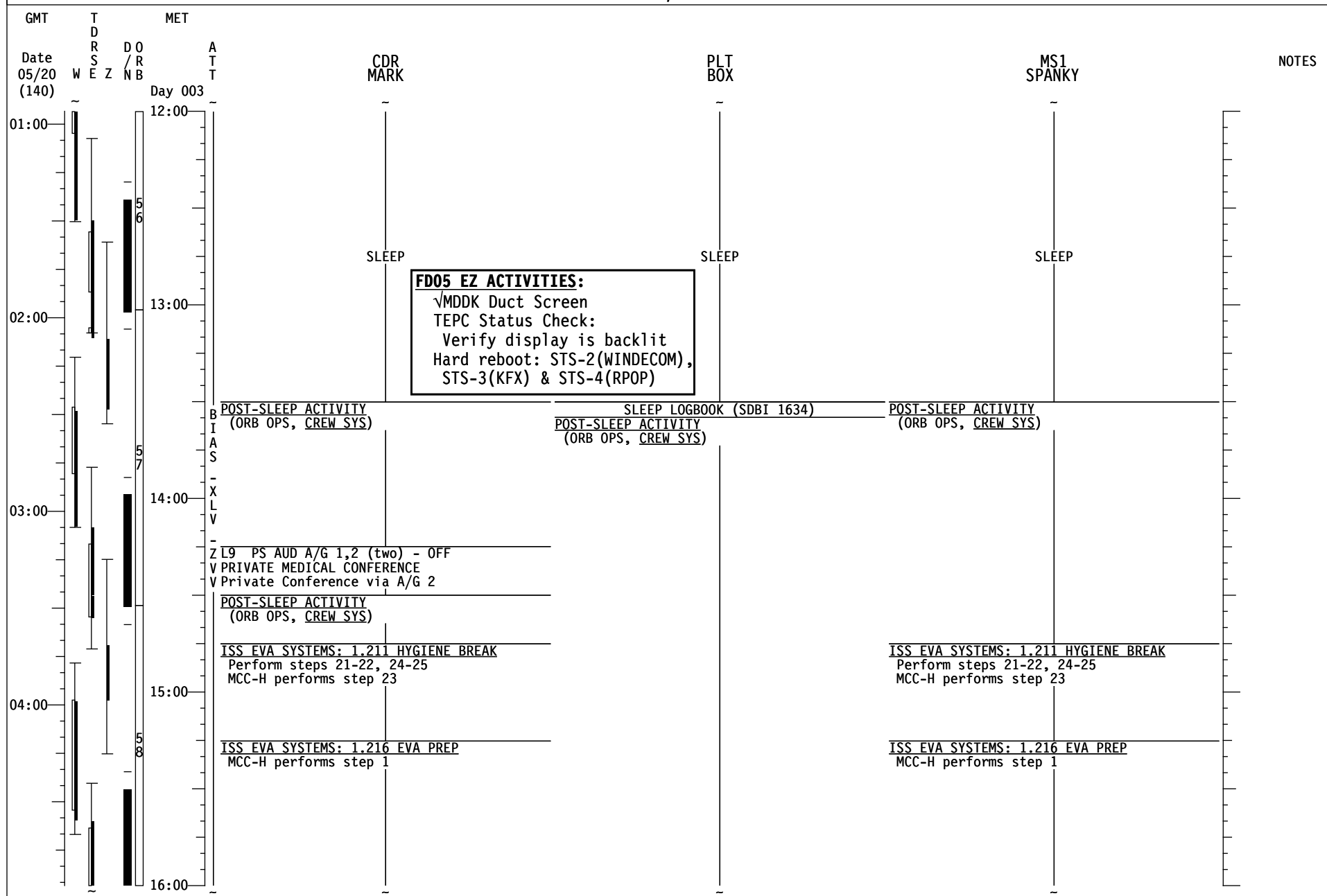
STS 134	FD05	CDR MARK	SLEEP	POST SLEEP	PMC A/G	PS OL STEP	HYG BRK/ HATCH CLS	CAMPOUT EVA PREP	EMURGE	EMU PREBREATHE	C LK DPRS	PIDPS	P/TV07 EVA	MEAL	P/TV07 EVA						
	PLT BOX	SLEEP	LOG	POST SLEEP				IPNADIB	VIDS/U	IAPE	CINWIT#3	FILTER INSPECT	IMU2	CWCXFER#3	MDDK XFER	MEAL	MDDK XFER				
	MS1 SPANKY	SLEEP	POST SLEEP		HYG BRK/ HATCH CLS		CAMPOUT EVA PREP	EMURGE	EMU PREBREATHE	C LK DPRS	PIDPS	EVA 1 IVA SUPPORT EVA 1 (6:30)									
	MS2 ROBERTO	SLEEP	LOG	POST SLEEP				MEINDOKS#3	UXFEDRAT	VIDS/U	IAPE	PEVTAVS/U	EXERCISE	MDDK XFER		MEAL	LIOH XFER	MDDK XFER			
	MS3 DREW	SLEEP	POST SLEEP	HYGIENE BREAK/ P/B		CAMPOUT EVA PREP		EMURGE	EMU PREBREATHE	C LK DPRS	PIDPS	ESGERTSUP	MISSE 7 RETRIEVE	MISSE 8 INSTALL	P3-P4 NH3 JMPR INSTL	PJ5MPP6R NH3	PNH-3 EJAMP SR	LAB EWC ANTENNA	P16A/ J16A MATE	PM1A- TPE2	CD TO COL *
	MS4 TAZ	SLEEP	POST SLEEP	HYGIENE BREAK/ P/B		CAMPOUT EVA PREP		EMURGE	EMU PREBREATHE	C LK DPRS	PIDPS	ESGERTSUP	MISSE 7 RETRIEVE	S3 CETA LIGHT INSTL	STBD SARJ CVR 7 INST	P3-P4 NH3 JMPR INSTL	P4 NH3 JMPR STOW	LAB EWC ANTENNA	PM3A- TPE4	P16A/ J16A MATE	C L E A N U P
NO EXERCISE		NO UNISOL EXER [A]																			
DAY/NIGHT ORBIT																					
TDRS WEZ																					
ISS	TDRS	AVAIL																			
ORB ATT		BIAS -XLV -ZVV																			
NOTES		@STATUS CHECK #STATUS CHECK BAG RECONFIG* [A] NO UNISOLATED EXERCISE [EVA CREW ON ELC2 OR OUTBOARD OF SARJ]																			

[A] NO UNISOLATED EXERCISE [EVA CREW ON ELC2 OR OUTBOARD OF SARJ]
FLT PLN/134/FLIGHT

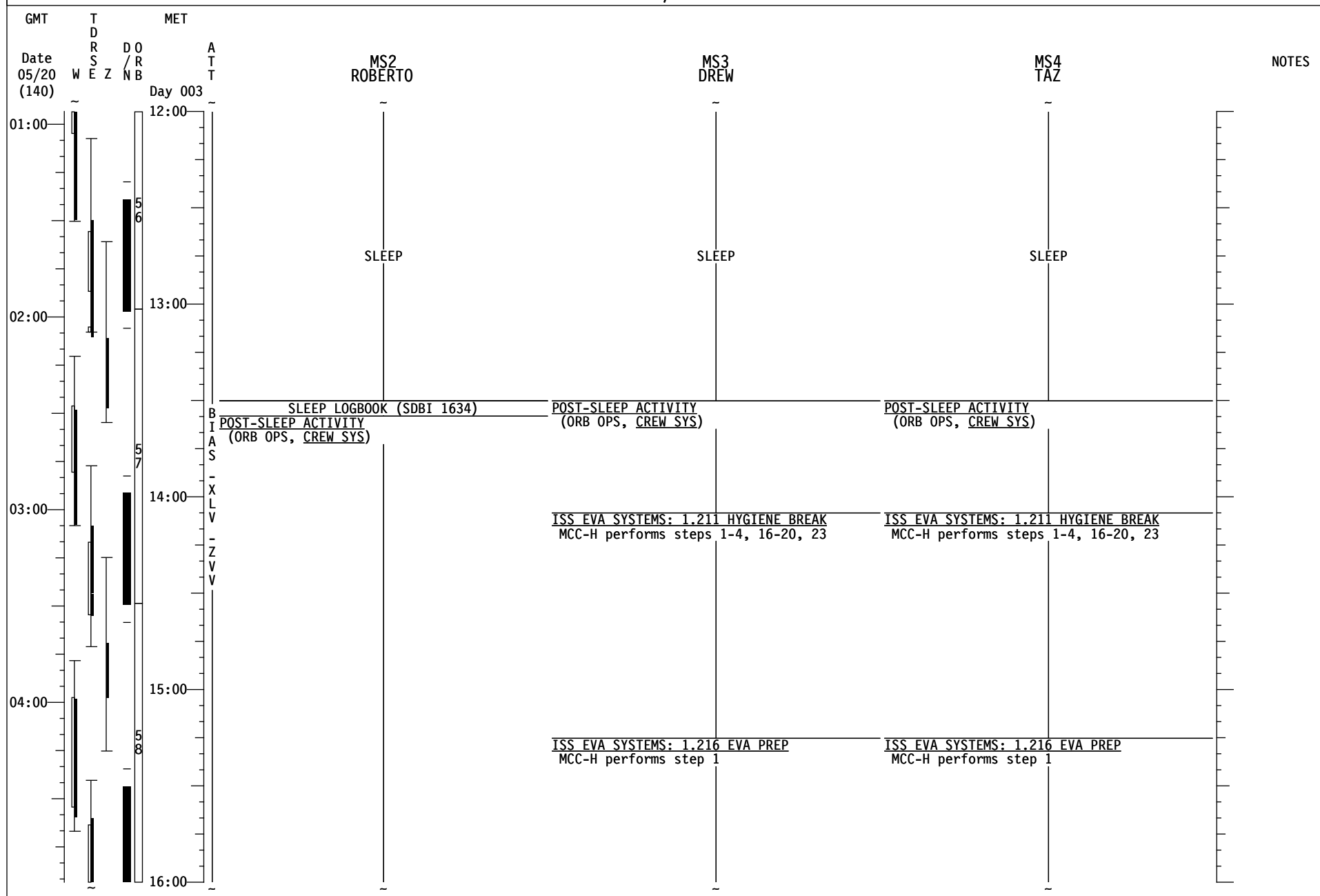
GMT 05/20/11 (140) 13 14 15 16 17 18 19 20 21 22 23 05/21 12
 MET Day 004 004/00 01 02 03 04 05 06 07 08 09 10 11

STS 134	FD05	CDR MARK	P/TV07 EVA	PCRP PLRS	POST EVA W/H20	IL ON	PRE SLEEP	PMC A/G	PRE SLEEP	ISS EXTERNAL SURVEY											
	PLT BOX	MX DF DE KR	EXERCISE		DOUG REVIEW		PRE SLEEP	OMS ^	PRE SLEEP		SLEEP										
	MS1 SPANKY	EVA 1 IVA SUPPORT		EXERCISE		DOUG REVIEW	PT OAS G T U P E V A	PRE SLEEP			SLEEP										
	MS2 ROBERTO	MDDK XFER	XFR PRE B R F	XFR PRE B R F	BM FR ID RE K F#	DOUG REVIEW		PRE SLEEP			SLEEP										
	MS3 DREW	QD T O L *	CLNUP R P S	PCRP PLRS	POST EVA W/H20		PRE S L P	PT OAS G T U P E V A	PRE SLEEP			SLEEP									
	MS4 TAZ	C L E A N U P	CLNUP R P S	PCRP PLRS	POST EVA W/H20		PRE S L P	PT OAS G T U P E V A	PRE SLEEP			SLEEP									
NO EXERCISE																					
DAY/NIGHT ORBIT																					
TDRS W E Z																					
ISS TDRS AVAIL																					
ORB ATT			BIAS -XLV -ZVV																		
NOTES			*BAG RECONFIG #STATUS CHECK ^ACCUM REPRESS																		

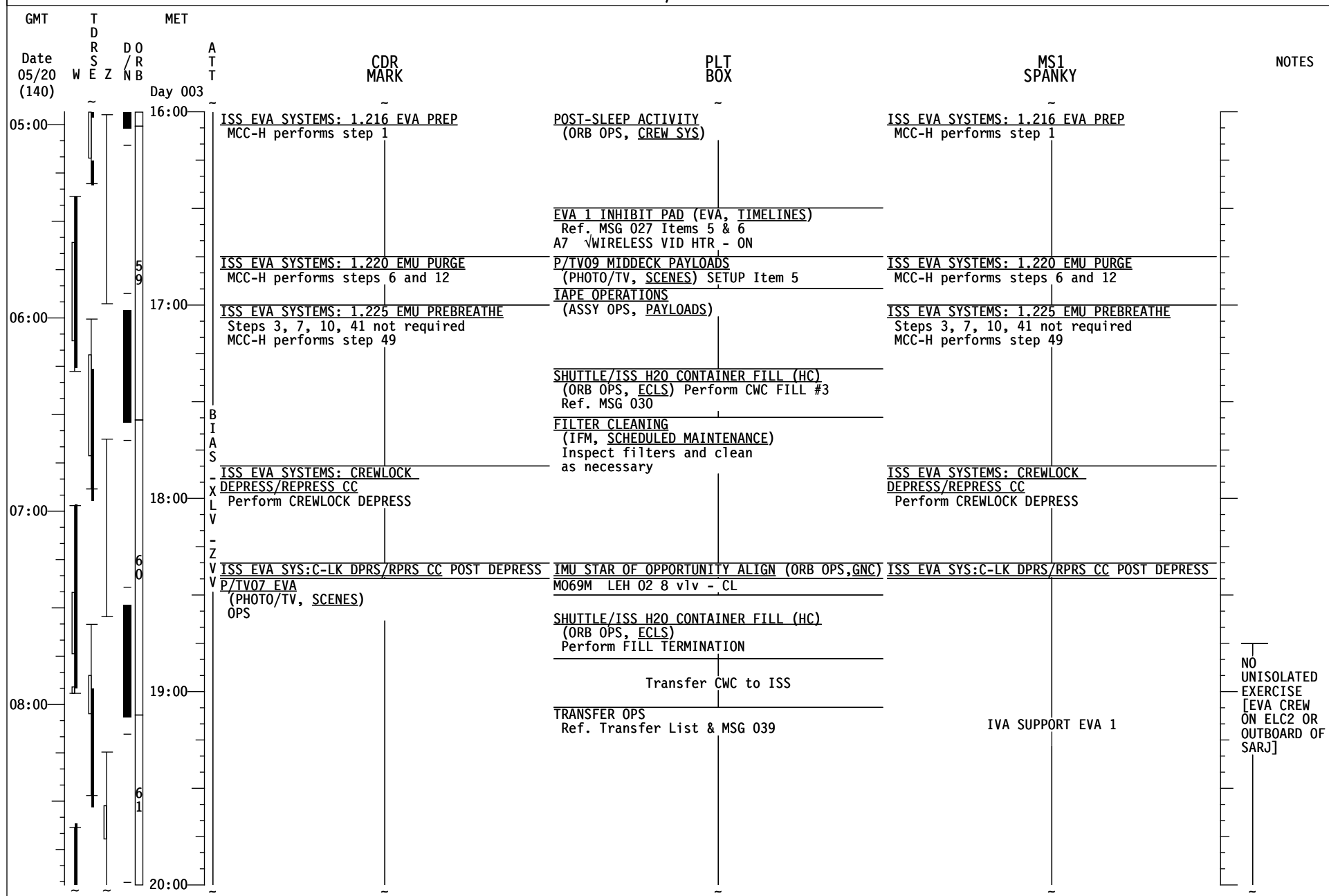
STS-134/ULF6 FD05



STS-134/ULF6 FD05

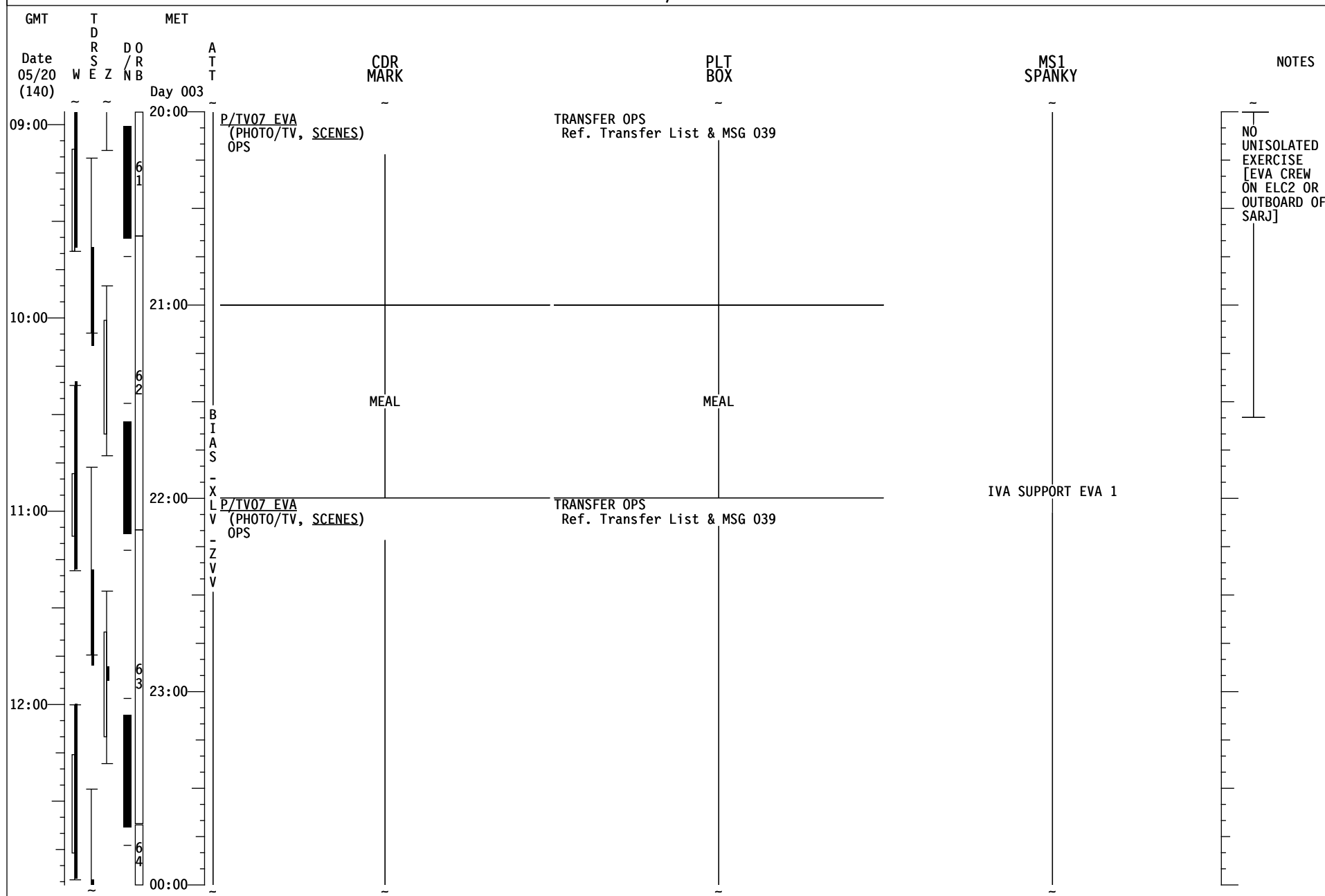


STS-134/ULF6 FD05



FLT PLN/134/FLIGHT

STS-134/ULF6 FD05



STS-134/ULF6 FD05

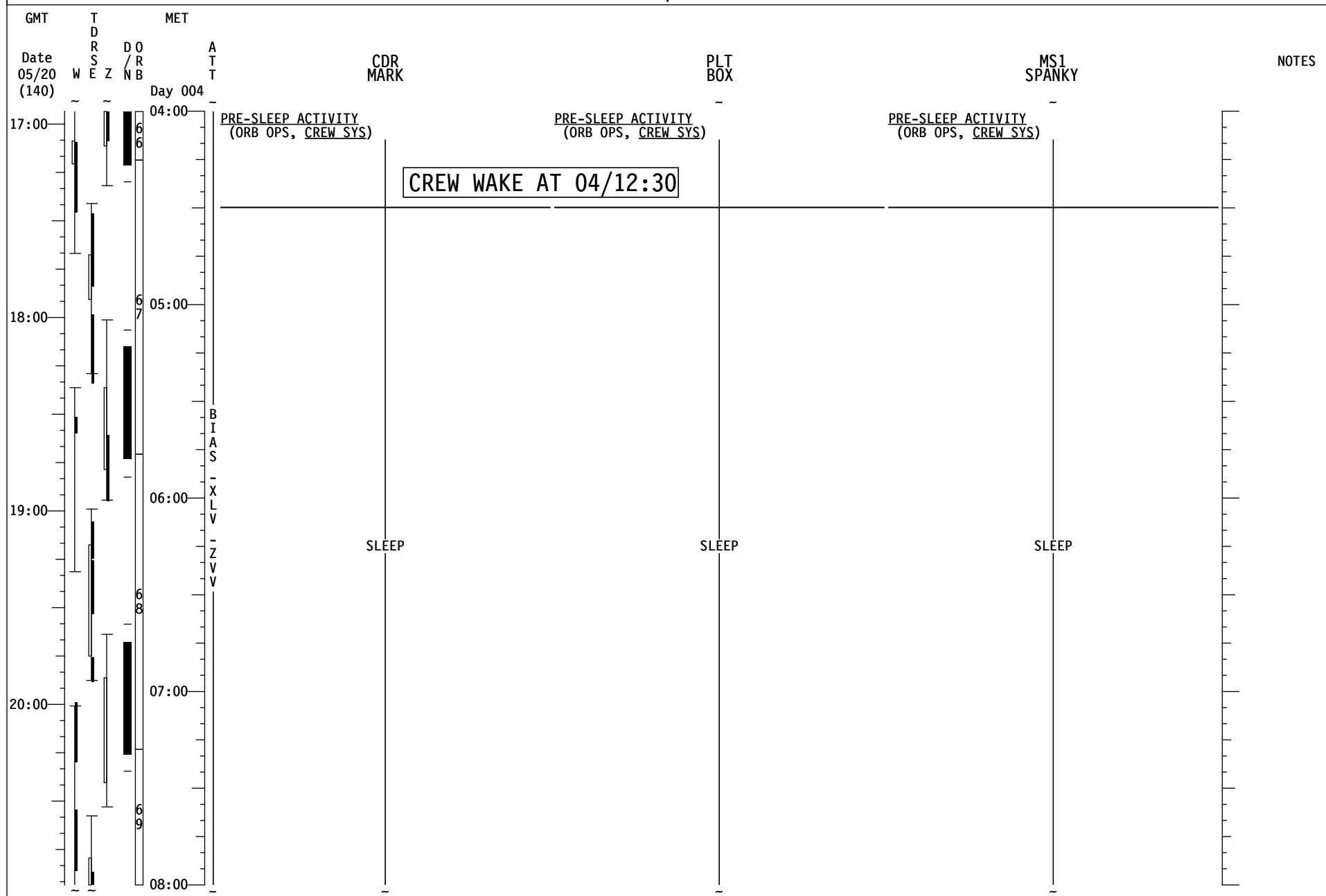
GMT	T D R S E Z	MET	MS2 ROBERTO	MS3 DREW	MS4 TAZ	NOTES
Date 05/20 (140)	W	D O R / N B	A T T			
		Day 003				
09:00		20:00	TRANSFER OPS Ref. Transfer List & MSG 039	MISSE 8 INSTALL	S3 CETA LIGHT INSTL	NO UNISOLATED EXERCISE [EVA CREW ON ELC2 OR OUTBOARD OF SARJ]
					STBD SARJ COVER #7 INSTALL	
				P3-P4 NH3 JMPR INSTL	P3-P4 NH3 JMPR INSTL	
10:00		21:00		P5P6 NH3 JMPR	P4 NH3 JMPR STOW	
			MEAL	P6-EAS NH3 JMPR		
11:00		22:00	L I O H TRANSFER Ref. Transfer List: Resupply Items 3 & 4 Return Items 728 & 730	LAB EWC ANTENNA	LAB EWC ANTENNA	
					P3-P4 MATE	
12:00		23:00	TRANSFER OPS Ref. Transfer List & MSG 039	P16A/ J16A MATE	P16A/ J16A MATE	
				P1-P2 MATE	CLEANUP	
		00:00		FLUID QD TOOL BAG RECONFIG		

FLT PLN/134/FLIGHT

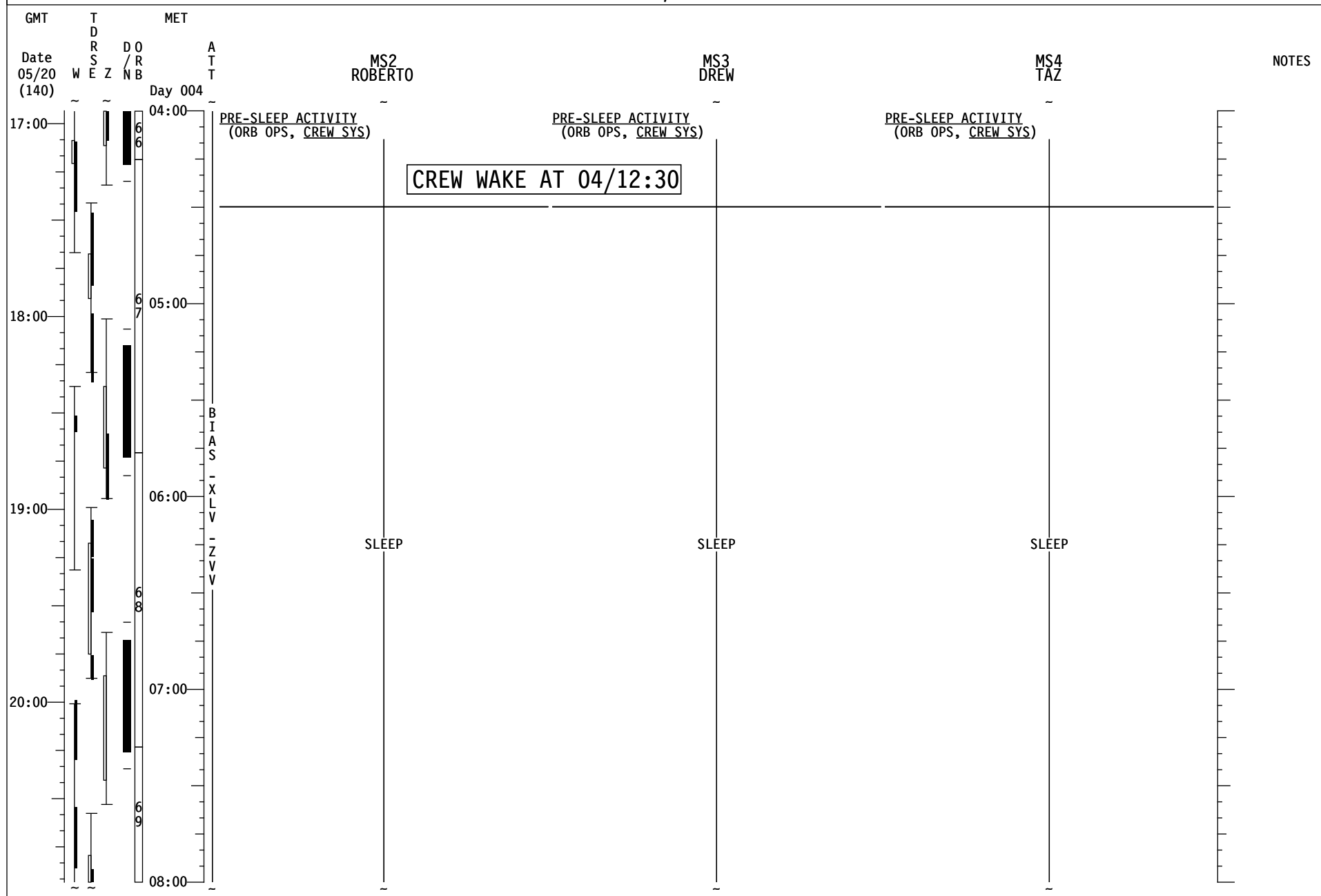
STS-134/ULF6 FD05

GMT	T D R S E Z	MET	MS2 ROBERTO	MS3 DREW	MS4 TAZ	NOTES
Date 05/20 (140)	W	DO R NB	ATT			
		Day 004				
13:00		00:00	TRANSFER OPS Ref. Transfer List & MSG 039	FLUID QD TOOL BAG RECONFIG	CLEANUP	
				CLEANUP/INGRESS	CLEANUP/INGRESS	
			TRANSFER BRIEF PREP Coordinate with transfer counterparts	ISS EVA SYS: C-LK DPRS/RPRS CC PRE REPRESS	ISS EVA SYS: C-LK DPRS/RPRS CC PRE REPRESS	
			TRANSFER BRIEF Call down status to MCC via A/G2	ISS EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS CC Perform CREWLOCK REPRESS	ISS EVA SYSTEMS: CREWLOCK DEPRESS/REPRESS CC Perform CREWLOCK REPRESS	
14:00		01:00	CGBA STATUS CHK; GLACIER STATUS CHK (CC)	ISS EVA SYSTEMS: 1.240 POST EVA With H2O RECHARGE Steps 37, 39, 66 not required MCC-H will perform Steps 43, 67-68 Remove Metox canisters by performing Step 41 of 1.225 EMU PREBREATHE Ref. STS-134 CONSUMABLES TRACKING CC	ISS EVA SYSTEMS: 1.240 POST EVA With H2O RECHARGE Steps 37, 39, 66 not required MCC-H will perform Steps 43, 67-68 Remove Metox canisters by performing Step 41 of 1.225 EMU PREBREATHE Ref. STS-134 CONSUMABLES TRACKING CC	
			FOCUSSED INSPECTION DOUG REVIEW			
15:00		02:00	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
				L9 PS AUD A/G 1,2 (two) - OFF POST EVA TAGUP Private Conference via A/G 2	L9 PS AUD A/G 1,2 (two) - OFF POST EVA TAGUP Private Conference via A/G 2	
				PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	PRE-SLEEP ACTIVITY (ORB OPS, CREW SYS)	
16:00		03:00				
		04:00				

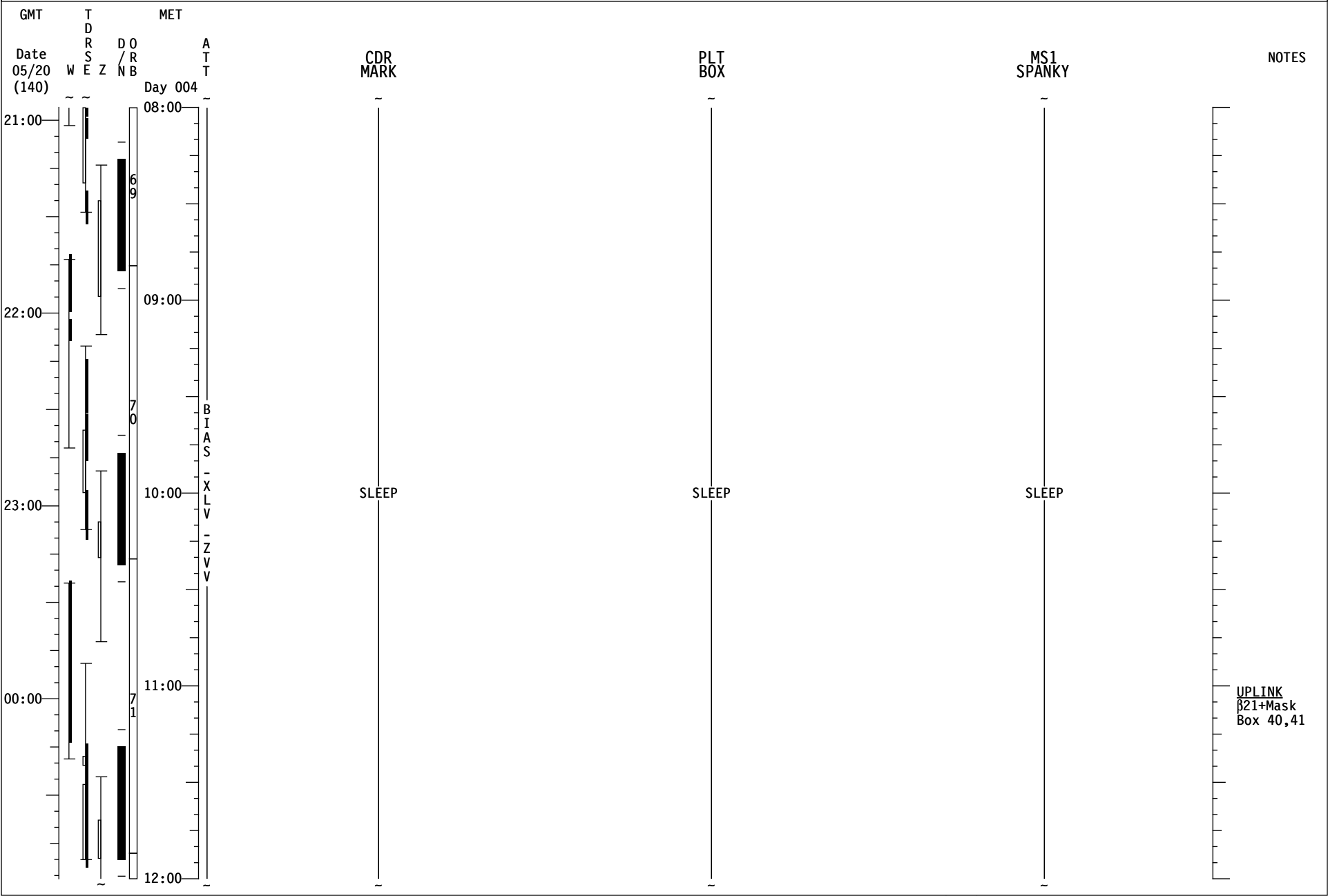
STS-134/ULF6 FD05



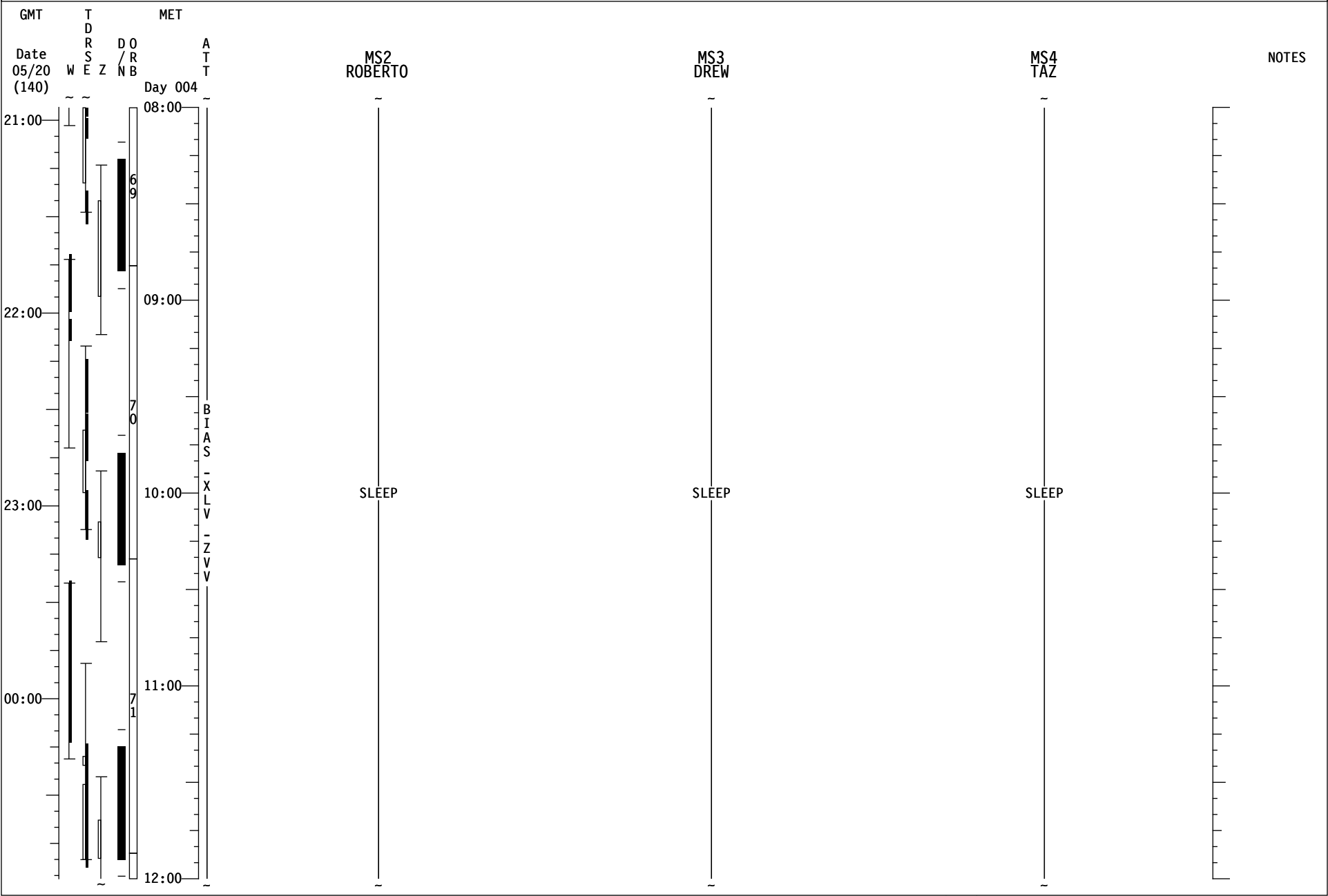
STS-134/ULF6 FD05



STS-134/ULF6 FD05



STS-134/ULF6 FD05



MSG 038 - FD05 MISSION SUMMARY

Good Morning Endeavour!!!!
The AMS installation was geat!
Happy EVA Day!!!!

YOUR CURRENT ORBIT IS: 187 X 183 NM

NOTAMS -

EDW - EDW 22L/04R IN USE. EDT 22R/04L EMERGENCY DAY USE ONLY.
EDW - LAKEBED RWYS RED.
NOR - LAKEBED RWYS GREEN.
NTU - RWY 05R/23L CLSD.
FFA - NOT USABLE. IN CARETAKER STATUS.
LAJ - RWY WIDTH REDUCED TO 154' - EAST SIDE OF RWY CLSD.
BEN - NOT USABLE. NOT SUPPORTED.
IKF - NOT USABLE. NO AGREEMENT

NEXT 2 PLS OPPORTUNITIES:

EDW22 ORB 64 – 4/00:34 SKC 7 220/05P08
EDW22 ORB 79 – 4/23:22 SCT 250 7 240/06P08

OMS TANK FAIL CAPABILITY:

NO

LEAKING OMS PRPLT BURN:

L or R OMS LEAK: ALWAYS BURN RETROGRADE

OMS QUANTITIES(%) (POST Ti)

L OMS OX = 33.23 R OMS OX = 34.28
FU = 33.24 FU = 33.95

FOR CURRENT QTYS, SUBTRACT INCN'T COUNTER

DELTA V AVAILABLE:

OMS	345 FPS
ARCS (TOTAL ABOVE QTY1)	47 FPS
<hr/>	
TOTAL IN THE AFT	392 FPS
ARCS (TOTAL ABOVE QTY2)	80 FPS
FRCS (ABOVE QTY 1)	31 FPS
AFT QTY 1	82 %
AFT QTY 2	44 %

END OF PAGE 1 OF 1, MSG 038

Good morning Roberto & Mark!

You guys did an awesome job yesterday! We're amazed at your efficiency!

Comments from FD04 Calldown

- We copied that Roberto was in the middle of the LiOH Transfer during the calldown and we think we know what he completed, but since the Resupply numbers were not actually called down complete, we left them unchecked. I assume we'll clean that up during the FD05 calldown.
- We copy that you couldn't find the Cleaning Solution. The best we can tell you is that it launched in the Still Camera Bag with the Lens Cloth Kits. The transfer of this item was an ISS Crew Request, so we think it's POSSIBLE that one of the other crew members gave it to the ISS crew already. If you still can't find it, please let us know.
- You called down that Item 9 (RSP s/n 1004) was complete but its swap counterpart, Item 735, was not mentioned. Can you confirm that Return Item 735 (RSP s/n 1002) was completed, as well?
- To follow up with you as well, we told Paolo last night that Item 31.2 (1.0 CTB that was supposed to go into LAB1D4_K2) should be stowed on the PMM1S4 Rack Front. He indicated he would take care of that. The items in this CTB will be stowed as part of Unpack.

The Transfer List Excel file, FD05_Transfer_List_STS134.xls, is located on the KFX machine in **C:\OCA-up\transfer** (and available via the **PGSC homepage**).

For ISS, the Transfer List Excel file, FD05_Transfer_List_STS134.xls, is located in **K:\OCA-up\transfer**.

FD5 Choreography

- **Paolo:** Resupply Item 2 (DCS Rechargeable Batteries from A16)
- **Roberto:** complete LiOH swap (**Resupply Items 3 & 4 and Return Items 728 & 730**) (timelined)

Change Pages

Please incorporate changes as follows:

In the Transfer List **RESUPPLY** tab:

Replace pages 1, 4

In the Transfer List **RETURN** tab

Replace page 1

Change Details

Item 2: Changed operator from Ron to Paolo

Item 21.1: Deleted Headset since one was not transferred to Shuttle, and therefore does not need to return to ISS.

Item 406 and 406.1: It has been agreed that 20 Mini DVCAM Tapes can be added to this bag so both items were updated to reflect adding these tapes to the bag.

STS-134 / ULF6 Resupply Transfer List

CHNG	<input checked="" type="checkbox"/>	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	ACTIVITY / Constraints / **Comments
					Middeck Resupply						
	<input checked="" type="checkbox"/>	4		1	10.5MM LENS	1	A16 (in Core Camera Bag)	AL1D0 (inside EVA FLASH 1.0 CTB S/N 1105)		0.7	Transfer by FD11. **Required by Ron for FD11 P/TV-EVA CAM-10.5LNS activity. **Will return to Shuttle per Return Item 708
X				2	DCS RECHARGEABLE BATTERIES	1 Ziplock	A16 (in Core Camera Bag)		AL1D0 (inside EVA FLASH 1.0 CTB S/N 1105)	1.2	Transfer by FD05. **Required by Ron Paolo for FD05 P/TV-FLASH BATT-CHRG activity **used for EVA 2
				3	LiOH - Used [STS-134 Cans 1-6]	6	LiOH Box		PMM1S4_B2	59.5	Roberto will swap per LIOH XFER activity on FD05. Ref Return Items 728 & 730. Put Blue Sock from returning cans on these cans prior to stowing in stockpile.
				4	LiOH - Un-used [STS-134 Cans 11-22]	12	LiOH Box		NOD1S4_D2/E2 /F2	81.6	Roberto will swap per LIOH XFER activity on FD05. Ref Return Items 728 & 730. Put Blue Socks from returning cans on these cans prior to stowing in stockpile.
	<input checked="" type="checkbox"/>	4		5	MULTIMETER [DOPEY]	1	MA16D (in Multimeter Kit)		NOD1P4_A2 (in 1.0 CTB S/N 1256 in Kit 1017)	1.4	Swap with returning multimeter (GRUMPY). Ref Return Item 731. Transfer the multimeter only, not the kit.

CHNG	<input checked="" type="checkbox"/>	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	ACTIVITY / Constraints / **Comments
				20	T61P LAPTOP [AFD PCS] [S/N 1134]	1		AFD Deployed	NOD1S4_G	7.9	Spanky will transfer on FD14 per PCS T/D activity. Remove 1553 PCMCIA Card and Cable prior to transfer. Card & Cable will return on Shuttle. Transfer Item 805 at the same time as laptop is transferred.
				20.1	A31P 28V DC POWER SUPPLY [EMERALD BRICK] [S/N 1356]	1		AFD Deployed	NOD1S4_G	1.4	Spanky will transfer on FD14 per PCS T/D activity.
				21	ISS SSC 20 [S/N 1007]	1		Middeck Deployed	LAB1 Deployed	7.9	Spanky will transfer on FD14 per SSC TEARDOWN activity. Power supply and cable remain on shuttle. Remove USB Hard Drive and cable and stow HD & Cable inside 1.0 CTB in MF71C. **Came from ISS. Temp stowed on shuttle per Return Item 727.
X				21.1	ANR BOSE HEADSET ITEM DELETED	1		Middeck Deployed	LAB1 Deployed	0.1	Spanky will transfer on FD14 per SSC TEARDOWN activity. **Came from ISS. Temp stowed on shuttle per Return Item 727.
				22	SAMPLE PURGE BAGS	10		Mddk Deployed (in WATER OPS HW Jett Stow Bag)	NOD2O2 (in M-02 Bag S/N 1026)	6.8	Remove from Sample Purge Kit and transfer after all CWC fills are complete
				23	PWR [S/N 1018]	1		Mddk Deployed (in WATER OPS HW Jett Stow Bag)	A/L1D1_A1 or A2	1.3	Fill and transfer per H2O Ops Cue Card. **Launched in MF71K. Was removed from that bag and stowed in Water Ops Jett Stow Bag per Resupply Item 18.

CHNG	<input checked="" type="checkbox"/>	FD	Initials	Item #	Item Name	Qty	Initial Stowage	Temp Stowage	Stowage at Undock	Wt (lbs)	ACTIVITY / Constraints / **Comments
					Middeck Return						
					Prepacked Bags/Items						
				401	RETURN BAG #401	0.5 CTB	NOD2D2		MF14E	16.6	Do not transfer until COL and N3 samples are added. Remove contents from CTB and stow samples in upper food tray.
				402	RETURN BAG #402	1.0 CTB	NOD2D2		Bag A	33.5	
				403	RETURN BAG #403	1.0 CTB	NOD2D2		Bag A	24.3	
				404	RETURN BAG #404	1.0 CTB	NOD2D2		Seat 7 Bag	45.8	
				405	RETURN BAG #405	1.0 CTB	NOD2D2		Seat 7 Bag	54.4	Transfer after FD06. **Paolo will add one harddrive to this bag on FD06 after the ERB2-HD3-INSERT activity
X				406	RETURN BAG #406	1.0 CTB	NOD2D2		MF57C	44.2	<u>Transfer after tapes are added per Item 406.1</u>
X				<u>406.1</u>	<u>Mini DVCAM Tape</u>	<u>20</u>	<u>ISS Deployed</u>		<u>MF57C</u> (in return bag # 406)	<u>0.8</u>	<u>**These are the 20 tapes Cady requested to be added to return.</u>
				407	RETURN BAG #407	0.5 CTB	NOD2D2		MF43K	20.1	
				408	RETURN BAG #408	1.0 CTB	NOD2D2		Bag A	32.7	
				409	RETURN BAG #409	0.5 CTB	NOD2D2		Bag A	18.4	
				410	RETURN BAG #410	0.5 CTB	NOD2D2		Bag E	29.9	
				411	RETURN BAG #411	2.0 CTB	NOD2D2		Bag A	54.1	
				412	RETURN BAG #412	0.5 CTB	NOD2D2		Bag A	8.5	

[] - notes included by transfer team, - not on actual label

MSG 040 STORRM DAILY ACT WITH DRU3(1) POWER DOWN
Page 1 of 1

- 1
2
3
4 SSP2 1. STORRM AVIONICS PWR – ON (tb-gray)
5 PGSC 2. STORRM PGSC pwr – on
6 3. Select Shuttle Apps icon
7 Select STORRM folder
8 Select STORRM icon
9 4. √System Mode = Initialization, then Idle (~2 min)
10

NOTE

STORRM application window must be selected
in order for the step 6 to operate correctly

- 11
12 5. Select STORRM application window
13 6. After 1 min:
14 MODE Select → DATA RETRIEVAL → Accept MODE
15 7. √System Mode = Data Retrieval
16 8. Power off DRU3 (1) (DC):
17 Perform STORRM TROUBLESHOOTING, (RNDZ, RNDZ
18 STORRM)
19 step 7, p 7-62
20 In step 7.1, Command is PDU_DRU3_OFF (PDU_DRU1_OFF)
21

22 A PDU Alert is expected after step 7.6 and can be ignored.
23

- 24 9. Notify MCC, STORRM DAILY ACT complete
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MSG 041 (27-0629) - FD04 MMT SUMMARY

Page 1 of 1

STS-134/ULF6 FD04 - MMT Summary

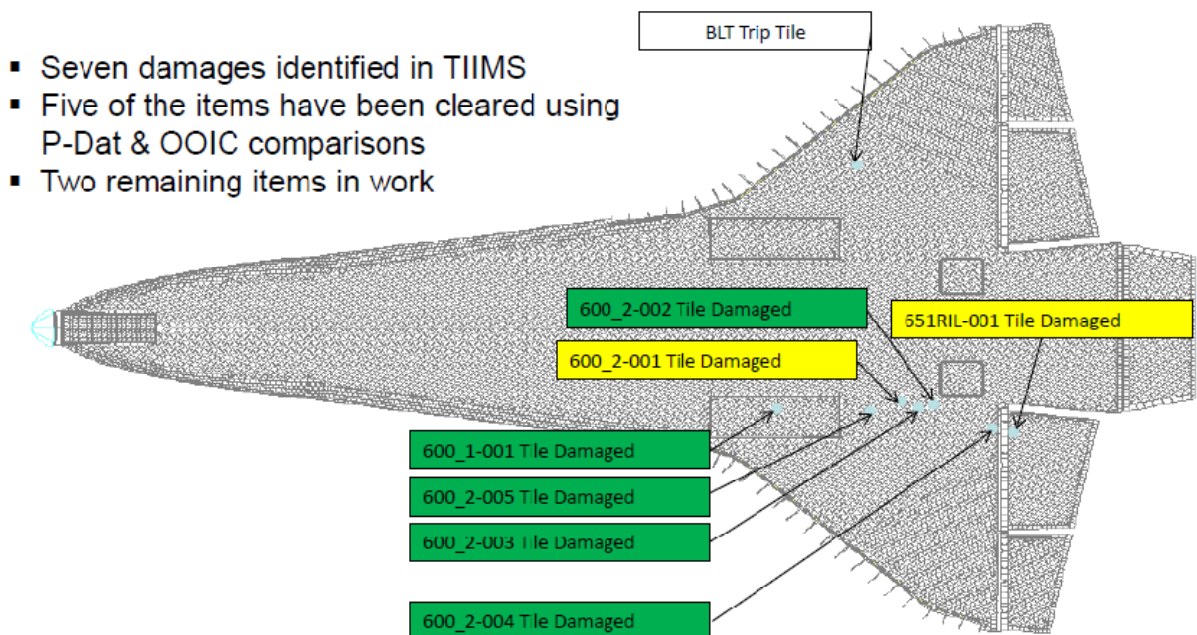
Congratulations on installation of AMS. Many happy faces. No time was wasted and data takes were initiated soon after AMS install was complete.

The MMT met today to review the orbiter systems and mission progress.

Endeavour continues to perform exceptionally well.

Work continues on assessing the tile area of interests mentioned in yesterday's MMT summary. Damaged area 600_1-001 (STBD MLG door) has been cleared by analysis. Photogrammetry was used to provide a 3D cavity of the other two areas (yellow boxes below) and the analysis (aeroheating, thermal, structure) is in work to determine if the areas can be cleared per the standard DAT team process. In parallel, the detailed Focus Inspection procedures are being finalized and the teams are developing a timeline to execute on FD6. The MMT will review the analysis findings tomorrow. The outcome of the meeting will determine if any additional damage cavity imagery is required.

Good Luck with EVA 1.



Split Sleep Shift Communication Adjustments

The following Communications Loop Management plan was developed to protect crew members' sleep periods as a result of the split sleep schedule of the Station and Shuttle crews.

1. To protect the Node 2 sleep zone, the ground will remove all Node 2 ATUs from public calls from the start of Shuttle crew sleep through Station crew sleep.
2. To protect the SM sleep zone, the ground will inhibit voice uplink as follows:
 - a. On FD 3 prior to docking, S/G 1 uplink will be inhibited during the Station crew sleep period. They will be awake by the time the big loop is established.
 - b. On FD 4 through wake-up on FD 10, S/G 2 uplink will be inhibited once Station crew enters sleep period. Until crew notification, the Big Loop will not be re-established, allowing use of S/G 1 for USOS-GND comm into the published ISS sleep period.
 - i. The nominal comm panel configuration will protect S/G 1 voice from waking the crew in the SM.
 - c. To prevent waking up the crew in the SM, do not use S/G 2 onboard during Station crew sleep unless it has been configured for a scheduled PMC/PFC.
3. To allow use of S/G 1 in the USOS when the Shuttle crew is sleeping, the ground will un-tie the 'Big Loop'. From the start of Shuttle crew sleep until the start of Station crew sleep (per crew notification), the ground will temporarily remove UHF from public call 1.
 - d. During this timeframe the ground is prime to re-establish the 'Big Loop' if needed. If LOS, ISS crew adds UHF to public call 1.
 - i. Reference US_SODF; C&T: 2. Nominal: 2.2 Audio; 2.213 Audio Subsystem Configuration for UHF Ops; steps 3, 7 only
4. We will not plan to have morning DPCs on EVA days
5. At the start of the mission, the morning DPC on non-EVA days will be based on Dima, Paolo and Cady's wake time. At this time, we may also call up any changes to the plan that have been coordinated since the uplink of OSTPV and the Daily Summary. All ISS crew members will be scheduled for these when possible.
6. Ron will not have a separate morning DPC coincident with Shuttle wake times; coordination of changes will be voiced up real time as necessary.
7. To protect the A/L sleep zone during campout periods, the ground will remove all A/L ATUs from public calls from the start of Shuttle crew sleep through Shuttle Crew wake.

General Comm Guidelines updated to reflect the above:

Due to the dynamic volume and nature of calls anticipated on this mission, we would like to start with these general guidelines and then manage calls real-time by moving to alternate loops as circumstances warrant.

Big picture:

1. The Big Loop, when available, should be used for calls requiring broad team awareness. It is also used for EVA and Robotics handoffs. For calls that need to also be broadcast to the Russian segment, consider multicast on both loops (Big loop + S/G2) since the big loop is not configured in the Service Module.
2. Shuttle only and Station only calls will be made on the respective A/G 2 or S/G 2 loops when possible. Note that when those loops are privatized, there will be some calls on the big loop that would otherwise not be. The teams will determine whether the call can wait.
3. For some Shuttle Payloads, calls will be answered by Shuttle CAPCOM until the payload is installed on ISS. At that time, Payload support transfers to Huntsville. Paycom will be enabled to respond on either S/G 2 or A/G 2. Affected payloads are:
 - AMS
 - Glacier (transfer FD 9)
 - Double Cold Bags (Paycom will take all calls)MYCO samples will be collected on both vehicles (Shuttle crew supported by ACO on A/G 2, ISS crew supported by JAXA on S/G2).
4. When making calls to two parties, “and” and “from” can help reduce awkwardness. Example: “Airlock and Houston, from Endeavor...” also, the smoothest replies preserve the same order: “Airlock Copies,” “Houston copies.” More important than the order is that both parties respond in some way.
5. Transfer tagups (with Mark and/or Roberto) and Stowage tagups (with Box and/or Roberto) will be scheduled at the end of the day on A/G 2 and be supported from the WFCR.
6. To help CAPCOMs with who should reply, please specify A/G or S/G rather than “On 2.” Adding the topic is helpful, such as “for Double Cold Bags.”
7. Pre-coordination of Shuttle PAO events will occur on A/G 2. Pre-coordination of Station PAO events will occur on different loops depending on the time of day.